

```

DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED - delete all saved queries, answer sets,
                and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT - delete all user-defined display formats
DELETE FIELD - delete all user-defined search fields
DELETE SELECT - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                session at L1

```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

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=> dup rem l3
DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, PCTGEN, RDISCLOSURE,
SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L3
L4          146 DUP REM L3 (24 DUPLICATES REMOVED)

=> s l4 not PY>2001
  12 FILES SEARCHED...
  21 FILES SEARCHED...
  33 FILES SEARCHED...
L5          134 L4 NOT PY>2001

=> s l5 and (recombinant or transform? or transgenic) (2a) cell
  8 FILES SEARCHED...
  20 FILES SEARCHED...
  31 FILES SEARCHED...
L6          28 L5 AND (RECOMBINANT OR TRANSFORM? OR TRANSGENIC) (2A) CELL

=> d his

(FILE 'HOME' ENTERED AT 12:04:50 ON 11 JUL 2003)

FILE 'CAPLUS, BIOSIS, AGRICOLA, EUROPATFULL, CAOLD, CASREACT, CROPU,
DGENE, DPCI, ENCOMPAT2, FSTA, IFIPAT, INPADOC, JAPIO, NTIS, PAPERCHEM2,
PATDD, PATDPA, PATDPAFULL, PATOSDE, PATOSEP, PATOSWO, PCTFULL, PCTGEN,
PIRA, RAPRA, RDISCLOSURE, SYNTHLINE, ...' ENTERED AT 12:05:44 ON 11 JUL
2003

L1          358 S AFP1
L2          194 S L1 AND (ANTIFUNG? OR ANTIMICROB?) (2A) PROTEIN?
L3          170 S L2 AND (NUCLEIC OR DNA OR POLYNUCLEOTIDE OR NUCLEOTIDE OR RN
L4          146 DUP REM L3 (24 DUPLICATES REMOVED)
L5          134 S L4 NOT PY>2001
L6          28 S L5 AND (RECOMBINANT OR TRANSFORM? OR TRANSGENIC) (2A) CELL

=> d l6 1-28

L6  ANSWER 1 OF 28  CAPLUS  COPYRIGHT 2003 ACS
AN  2000:842296  CAPLUS
DN  134:14012
TI  Method for constructing chimeric gene of plant
    antimicrobial proteins for enhanced antifungal
    activity
IN  Greenland, Andrew James; Fuentes Mateos, Angel Manuel
PA  Zeneca Limited, UK
SO  PCT Int. Appl., 29 pp.

```

IN Ota, Toshio, 1-2-7-105, Tsujido Shinmachi, Fujisawa-shi, Kanagawa
251-0042, JP;
Isogai, Takao, 511-12, Ohmuro, Ami-machi, Inashiki-gun, Ibaraki
300-0303, JP;
Nishikawa, Tetsuo, 27-3-403, Hikawa-cho, Itabashi-ku, Tokyo 173-0013,
JP;
Hayashi, Kohji, 1-9-446, Yushudai Nishi, Ichihara-shi, Chiba 292-0056,
JP;
Saito, Kaoru, 2-8-1-201, Kisarazu, Kisarazu-shi, Chiba 292-0056, JP;
Yamamoto, Junichi, 3-28-3-A101, Kiyomidai Higashi, Kisarazu-shi, Chiba
292-0041, JP;
Ishii, Shizuko, 4508-19-202, Yana, Kisarazu-shi, Chiba 292-0812, JP;
Sugiyama, Tomoyasu, 2-6-23-102, Kiyomidai, Kisarazu-shi, Chiba 292-0045,
JP;
Wakamatsu, Ai, 1473-4-202, Takayanagi, Kisarazu-shi, Chiba 292-0014, JP;
Nagai, Keiichi, 3-44-14-9-204, Sakuragaoka, Higashiyamato-shi, Tokyo
207-0022, JP;
Otsuki, Tetsuji, 3-1-10-B102, Asahi, Kisarazu-shi, Chiba 292-0045, JP
PA Helix Research Institute, 1532-3 Yana, Kisarazu-shi, Chiba 292-0812, JP
SO Wila-EPZ-2001-H06-T1a
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO;
R SI
PIT EPA2 EUROPAEISCHE PATENTANMELDUNG
PI EP 1074617 A2 20010207
OD 20010207
AI EP 2000-116126 20000728
PRAI JP 1999-248036 19990729
JP 1999-300253 19990827
JP 2000-2000118776 20000111
JP 2000-2000183767 20000502
JP 2000-2000241899 20000609
IC ICM C12N015-12
ICS C12N015-11 C07K014-47 C07K016-18 C12Q001-68

L6 ANSWER 4 OF 28 CROPU COPYRIGHT 2003 THOMSON DERWENT
AN 2001-81923 CROPU F G
TI An antimicrobial composition, comprising two antimicrobial
proteins, derived from radish and Mirabilis or Impatiens.
IN Greenland A J; Fuentes Mateos A M
PA Zeneca
LO Bracknell, U.K.; Brussels, Belg.
PI WO 2000071735 A1 20001130
AI GB 1999-11933 19990521
WO 2000-GB1905 20000518
DT Patent
LA English
OS WPI: 2001-041066
FA AB; LA; CT

L6 ANSWER 5 OF 28 DGENE (C) 2003 THOMSON DERWENT
AN AAR33753 Protein DGENE
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or
dahlia, useful for increasing plants' resistance to fungal and bacterial
diseases
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;
Vanderleyden J
PA (ICIL) IMPERIAL CHEM IND PLC.
PI WO 9305153 A1 19930318 110p
AI WO 1992-GB1570 19920827
PRAI GB 1991-18523 19910829
GB 1992-3038 19920213
GB 1992-13526 19920625
DT Patent

LA English
OS 1993-100978 [12]
DESC Antifungal protein Sa-AFP1.

L6 ANSWER 6 OF 28 DGENE (C) 2003 THOMSON DERWENT
AN AAR33751 Protein DGENE
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or
dahlia, useful for increasing plants' resistance to fungal and bacterial
diseases
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;
Vanderleyden J
PA (ICIL) IMPERIAL CHEM IND PLC.
PI WO 9305153 A1 19930318 110p
AI WO 1992-GB1570 19920827
PRAI GB 1991-18523 19910829
GB 1992-3038 19920213
GB 1992-13526 19920625

DT Patent
LA English
OS 1993-100978 [12]
DESC Antifungal protein Bn-AFP1.

L6 ANSWER 7 OF 28 DGENE (C) 2003 THOMSON DERWENT
AN AAR33749 Protein DGENE
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or
dahlia, useful for increasing plants' resistance to fungal and bacterial
diseases
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;
Vanderleyden J
PA (ICIL) IMPERIAL CHEM IND PLC.
PI WO 9305153 A1 19930318 110p
AI WO 1992-GB1570 19920827
PRAI GB 1991-18523 19910829
GB 1992-3038 19920213
GB 1992-13526 19920625

DT Patent
LA English
OS 1993-100978 [12]
DESC Antifungal protein Br-AFP1.

L6 ANSWER 8 OF 28 DGENE (C) 2003 THOMSON DERWENT
AN AAR33754 Protein DGENE
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or
dahlia, useful for increasing plants' resistance to fungal and bacterial
diseases
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;
Vanderleyden J
PA (ICIL) IMPERIAL CHEM IND PLC.
PI WO 9305153 A1 19930318 110p
AI WO 1992-GB1570 19920827
PRAI GB 1991-18523 19910829
GB 1992-3038 19920213
GB 1992-13526 19920625

DT Patent
LA English
OS 1993-100978 [12]
DESC Antifungal protein At-AFP1.

L6 ANSWER 9 OF 28 DGENE (C) 2003 THOMSON DERWENT
AN AAR33707 Protein DGENE
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or
dahlia, useful for increasing plants' resistance to fungal and bacterial
diseases
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;

Vanderleyden J
 PA (ICIL) IMPERIAL CHEM IND PLC.
 PI WO 9305153 A1 19930318 110p
 AI WO 1992-GB1570 19920827
 PRAI GB 1991-18523 19910829
 GB 1992-3038 19920213
 GB 1992-13526 19920625
 DT Patent
 LA English
 OS 1993-100978 [12]
 DESC Antifungal protein Rs-AFP1.

L6 ANSWER 10 OF 28 DGENE (C) 2003 THOMSON DERWENT
 AN AAR33706 Protein DGENE
 TI Biocidal proteins isolated from seeds of plants - e.g. brassica or dahlia, useful for increasing plants' resistance to fungal and bacterial diseases
 IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G; Vanderleyden J
 PA (ICIL) IMPERIAL CHEM IND PLC.
 PI WO 9305153 A1 19930318 110p
 AI WO 1992-GB1570 19920827
 PRAI GB 1991-18523 19910829
 GB 1992-3038 19920213
 GB 1992-13526 19920625
 DT Patent
 LA English
 OS 1993-100978 [12]
 DESC Antifungal protein Rs-AFP1.

L6 ANSWER 11 OF 28 IFIPAT COPYRIGHT 2003 IFI
 AN 2908408 IFIPAT;IFIUDB;IFICDB
 TI BIOCIDAL PROTEINS; GENETIC ENGINEERING
 IN Broekaert Willem F (BE); Cammue Bruno PA (BE); Osborn Rupert W (GB); Rees Sarah B (GB); Terras Franky RG (BE); Vanderleyden Jozef (BE)
 PA Zeneca Ltd GB (32757)
 PI US 5689043 19971118
 AI US 1995-452078 19950526
 RLI US 1993-2480 19930104 CONTINUATION ABANDONED
 US 1995-377687 19950125 DIVISION 5538525
 PRAI GB 1991-18523 19910829
 GB 1992-3038 19920213
 GB 1992-13526 19920625
 FI US 5689043 19971118
 US 5538525
 DT UTILITY
 FS CHEMICAL
 GRANTED
 CLMN 13
 GI 39 Drawing Sheet(s), 44 Figure(s).

L6 ANSWER 12 OF 28 PCTFULL COPYRIGHT 2003 Univentio
 AN 2001009175 PCTFULL ED 20020828
 TIEN SYNTHETIC PEPTIDES
 TIFR PEPTIDES DE SYNTHESE
 IN POSTHUMA, Geertruida, Afina;
 SCHAAPER, Wilhelmus, Martinus, Maria;
 SIJTSMA, Lolke;
 VAN AMERONGEN, Aart;
 FANT, Franky;
 BORREMANS, Frans, Alois, Mekania;
 REES, Sarah, Bronwen;
 OSBORN, Rupert, William
 PA ZENECA LIMITED;

POSTHUMA, Geertruida, Afina;
SCHAAPER, Wilhelmus, Martinus, Maria;
SIJTSMA, Lolke;
VAN AMERONGEN, Aart;
FANT, Franky;
BORREMANS, Frans, Alois, Mekania;
REES, Sarah, Bronwen;
OSBORN, Rupert, William

DT Patent

PI

DS

WO 2001009175

A2 20010208

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN
YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI

WO 2000-GB2968

A 20000731

PRAI

GB 1999-9918156.2

19990802

ICM

C07K014-00

L6

ANSWER 13 OF 28 PCTFULL COPYRIGHT 2003 Univentio

AN

1997037024 PCTFULL ED 20020514

TIEN

ANTIFUNGAL POLYPEPTIDE AND METHODS FOR CONTROLLING PLANT PATHOGENIC FUNGI

TIFR

POLYPEPTIDE ANTIFONGIQUE ET TECHNIQUES DE LUTTE CONTRE DES CHAMPIGNONS PATHOGENES DES VEGETAUX

IN

LIANG, Jihong;
SHAH, Dilip, Maganlal;
WU, Yonnie, Shun;
ROSENBERGER, Cindy, Annette

PA

MONSANTO COMPANY

LA

English

DT

Patent

PI

WO 9737024

A2 19971009

DS

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT
UA UG UZ VN YU GH KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ
TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN ML MR NE SN TD TG

AI

WO 1997-US5709

A 19970327

PRAI

US 1996-8/627,706

19960329

ICM

C12N015-29

ICS

C12N015-82; C07K014-415; A01N065-00; A01H005-00

L6

ANSWER 14 OF 28 PCTFULL COPYRIGHT 2003 Univentio

AN

1997021815 PCTFULL ED 20020514

TIEN

ANTIFUNGAL PROTEINS

TIFR

PROTEINES ANTIFONGIQUES

IN

MELOEN, Robbert, Hans;
PUIJK, Wouter, Cornelis;
SCHAAPER, Wilhelmus, Martinus, Maria;
SIJTSMA, Lolke;
VAN AMERONGEN, Aart;
BROEKAERT, Willem, Frans;
DE SAMBLANX, Genoveva, Wivina;
FANT, Franky;
BORREMANS, Frans, Alois, Melania;
REES, Sarah, Bronwen;
VAN GELDER, Wilhelmus, Martinus, Josef

PA

ZENECA LIMITED;

MELOEN, Robbert, Hans;

PUIJK, Wouter, Cornelis;

SCHAAPER, Wilhelmus, Martinus, Maria;
SIJTSMA, Lolke;
VAN AMERONGEN, Aart;
BROEKAERT, Willem, Frans;
DE SAMBLANX, Genoveva, Wivina;
FANT, Franky;
BORREMANS, Frans, Alois, Melania;
REES, Sarah, Bronwen;
VAN GELDER, Wilhelmus, Martinus, Josef

LA English

DT Patent

PI WO 9721815

DS W:

A2 19970619

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA
UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

AI WO 1996-GB3068

A 19961212

PRAI GB 1995-9525455.3

19951213

GB 1996-9606552.9

19960328

ICM C12N015-29

ICS C12N015-82; C07K014-415; C07K007-06; C07K007-08; A01N065-00;
A01H005-00; A61K038-08; A61K038-10

L6 ANSWER 15 OF 28 PCTFULL COPYRIGHT 2003 Univentio
AN 1997021814 PCTFULL ED 20020514

TIEN **ANTIFUNGAL PROTEINS**

TIFR PROTEINES ANTIFONGIQUES

IN BROEKAERT, Willem, Frans;

DE SAMBLANX, Genovera, Wivina;

REES, Sarah, Bronwen

PA ZENECA LIMITED;

BROEKAERT, Willem, Frans;

DE SAMBLANX, Genovera, Wivina;

REES, Sarah, Bronwen

LA English

DT Patent

PI WO 9721814

DS W:

A1 19970619

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA
UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

AI WO 1996-GB3065

A 19961212

PRAI GB 1995-9525474.4

19951213

ICM C12N015-29

ICS C12N015-82; C07K014-415; A01N065-00; A01H005-00

L6 ANSWER 16 OF 28 PCTFULL COPYRIGHT 2003 Univentio
AN 1995024486 PCTFULL ED 20020514

TIEN **ANTIMICROBIAL PROTEINS FROM ARALIA AND IMPATIENS**

TIFR **PROTEINES ANTIMICROBIENNES PROVENANT DES ESPECES**

ARALIA ET IMPATIENS

IN ATTENBOROUGH, Sheila;

BROEKAERT, Willem, Frans;

OSBORN, Rupert, William;

RAY, John, Anthony;

REES, Sarah, Bronwen;

TAILOR, Ravindra, Haribhai

PA ZENECA LIMITED;

ATTENBOROUGH, Sheila;

BROEKAERT, Willem, Frans;

OSBORN, Rupert, William;
 RAY, John, Anthony;
 REES, Sarah, Bronwen;
 TAILOR, Ravindra, Haribhai
 LA English
 DT Patent
 PI WO 9524486 A1 19950914
 DS W: AU BB BG BR BY CA CN CZ FI GE HU JP KG KP KR KZ LK LT LV MD
 MG MN MX NO NZ PL RO RU SG SI SK TJ TT UA US UZ VN KE MW SD
 SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ
 CF CG CI CM GA GN ML MR NE SN TD TG
 AI WO 1995-GB509 A 19950309
 PRAI GB 1994-9404807.1 19940311
 ICM C12N015-29
 ICS C12N015-82; C12N015-62; C07K014-415; C12N001-21; A01H005-00;
 A01N065-00

 L6 ANSWER 17 OF 28 PCTFULL COPYRIGHT 2003 Univentio
 AN 1993005153 PCTFULL ED 20020513
 TIEN BIOCIDAL PROTEINS
 TIFR PROTEINES BIOCIDES
 IN BROEKAERT, Willem, Frans;
 CAMMUE, Bruno, Philippe, Angelo;
 OSBORN, Rupert, William;
 REES, Sarah, Bronwen;
 TERRAS, Franky, Raymond, Gerard;
 VANDERLEYDEN, Jozef
 PA IMPERIAL CHEMICAL INDUSTRIES PLC;
 BROEKAERT, Willem, Frans;
 CAMMUE, Bruno, Philippe, Angelo;
 OSBORN, Rupert, William;
 REES, Sarah, Bronwen;
 TERRAS, Franky, Raymond, Gerard;
 VANDERLEYDEN, Jozef
 LA English
 DT Patent
 PI WO 9305153 A1 19930318
 DS W: AU BB BG BR CA CS FI HU JP KP KR LK MG MN MW NO PL RO RU SD
 US AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE BF BJ CF CG
 CI CM GA GN ML MR SN TD TG
 AI WO 1992-GB1570 A 19920827
 PRAI GB 1991-9118523.1 19910829
 GB 1992-9203038.6 19920213
 GB 1992-9213526.8 19920625
 ICM C12N015-29
 ICS C07K007-10; C12N015-82; A01N065-00; A01H005-00; C12N005-10;
 C12N001-21

 L6 ANSWER 18 OF 28 USPATFULL
 AN 2001:226753 USPATFULL
 TI Antifungal polypeptide and methods for controlling plant pathogenic
 fungi
 IN Liang, Jihong, Chesterfield, MO, United States
 Shah, Dilip Maganlal, Chesterfield, MO, United States
 Wu, Yonnie S., Wildwood, MO, United States
 Rosenberger, Cindy A., Ballwin, MO, United States
 Hakimi, Salim, Chesterfield, MO, United States
 PA Monsanto Company, St. Louis, MD, United States (U.S. corporation)
 PI US 6329504 B1 20011211
 AI US 1999-428805 19991028 (9)
 RLI Division of Ser. No. US 1996-766355, filed on 13 Dec 1996, now patented,
 Pat. No. US 6121436
 DT Utility
 FS GRANTED

LN.CNT 2981

INCL INCLM: 530/350.000
INCLS: 530/325.000; 530/326.000; 530/324.000; 435/069.100; 435/070.100;
435/172.300; 435/418.000; 435/419.000; 536/023.100; 536/023.600;
514/002.000; 514/012.000; 514/019.000; 800/205.000; 800/200.000
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/070.100; 435/418.000; 435/419.000; 435/468.000;
530/324.000; 530/325.000; 530/326.000; 536/023.100; 536/023.600
IC [7]
ICM: A01G013-00
ICS: C07K007-00; C07H021-00; C12P021-00; A61K035-78
EXF 800/205; 530/350; 530/325; 435/69.1; 435/172.3; 435/70.1; 435/419;
435/418; 536/23.6; 514/12; 514/2; 514/19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 28 USPATFULL

AN 2001:202590 USPATFULL

TI Antifungal polypeptide from alfalfa and methods for controlling plant
pathogenic fungi

IN Liang, Jihong, Chesterfield, MO, United States
Shah, Dilip Maganlal, Chesterfield, MO, United States
Wu, Yonnie S., Wildwood, MO, United States
Rosenberger, Cindy A., Ballwin, MO, United States
Hakimi, Salim, Chesterfield, MO, United States

PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)

PI US 6316407 B1 20011113

AI US 1998-3198 19980107 (9)

RLI Division of Ser. No. US 1996-766355, filed on 13 Dec 1996, now patented,
Pat. No. US 6121436

DT Utility

FS GRANTED

LN.CNT 3128

INCL INCLM: 514/012.000

INCLS: 530/324.000

NCL NCLM: 514/012.000

NCLS: 530/324.000

IC [7]

ICM: A61K038-16

ICS: C07K014-415

EXF 530/324; 530/300; 047/58.1; 514/12; 800/295; 800/298

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 20 OF 28 USPATFULL

AN 2001:52271 USPATFULL

TI **Nucleic** acid sequences encoding an antifungal polypeptide, aly
AFP from alyssum and methods for their use

IN Liang, Jihong, Chesterfield, MO, United States
Shah, Dilip Maganlal, Chesterfield, MO, United States
Wu, Yonnie Shun, Chesterfield, MO, United States
Rosenberger, Cindy Annette, Ballwin, MO, United States

PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)

PI US 6215048 B1 20010410

AI US 1998-103489 19980624 (9)

RLI Division of Ser. No. US 1996-627706, filed on 29 Mar 1996, now patented,
Pat. No. US 5773696

DT Utility

FS Granted

LN.CNT 1904

INCL INCLM: 800/317.200

INCLS: 435/320.100; 536/023.600; 800/279.000; 800/301.000; 800/302.000

NCL NCLM: 800/317.200

NCLS: 435/320.100; 536/023.600; 800/279.000; 800/301.000; 800/302.000

IC [7]

ICM: A01H005-00

ICS: C12N015-82
EXF 536/23.6; 435/69.1; 435/320.1; 435/419; 435/468; 800/279; 800/301;
800/302; 800/315; 800/320; 800/306; 800/316; 800/320.1; 800/314;
800/323; 800/317.1; 800/317.2; 800/320.2; 800/312; 800/317.4; 800/320.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 21 OF 28 USPATFULL
AN 2001:22350 USPATFULL
TI Biocidal proteins
IN Broekaert, Willem F., Dilbeek, Belgium
Cammue, Bruno P. A., Alseberg, Belgium
Osborn, Rupert W., Middlesex, United Kingdom
Rees, Sarah B., Berkshire, United Kingdom
Terras, Franky R. G., Amzegem, Belgium
Vanderleyden, Jozef, Heverlee, Belgium
PA ZENeca Limited, London, United Kingdom (non-U.S. corporation)
PI US 6187904 B1 20010213
AI US 1997-971982 19971117 (8)
RLI Continuation of Ser. No. US 1995-452078, filed on 26 May 1995, now
patented, Pat. No. US 5689043 Division of Ser. No. US 1995-377687, filed
on 25 Jan 1995, now patented, Pat. No. US 5538525 Continuation of Ser.
No. US 1993-2480, filed on 4 Jan 1993, now abandoned Continuation of
Ser. No. WO 1992-GB1570, filed on 27 Aug 1992, now abandoned
PRAI GB 1991-18523 19910829
GB 1992-3038 19920213
GB 1992-13526 19920625
DT Utility
FS Granted
LN.CNT 1405
INCL INCLM: 530/324.000
INCLS: 530/326.000; 530/350.000; 514/012.000; 514/013.000
NCL NCLM: 530/324.000
NCLS: 530/326.000; 530/350.000
IC [7]
ICM: C07K014-00
EXF 514/12; 514/13; 530/324; 530/326; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 28 USPATFULL
AN 2000:157636 USPATFULL
TI DNA encoding antimicrobial proteins from
impatiens
IN Attenborough, Sheila, Maidenhead, United Kingdom
Broekaert, Willem Frans, Dilbeek, Belgium
Osborn, Rupert William, Twickenham, United Kingdom
Ray, John Anthony, Bracknell, United Kingdom
Rees, Sarah Bronwen, Bracknell, United Kingdom
Tailor, Ravindra Haribhai, Bracknell, United Kingdom
PA Zeneca Limited, London, United Kingdom (non-U.S. corporation)
PI US 6150588 20001121
AI US 1997-831028 19970404 (8)
RLI Division of Ser. No. US 700442
PRAI GB 1994-4807 19940311
DT Utility
FS Granted
LN.CNT 1057
INCL INCLM: 800/298.000
INCLS: 435/252.300; 536/023.600
NCL NCLM: 800/298.000
NCLS: 435/252.300; 536/023.600
IC [7]
ICM: A01H005-00
ICS: C12N001-21; C12N015-29
EXF 536/23.6; 435/69.1; 435/320.1; 435/419; 435/468; 435/243; 435/252.3;